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(30) Priority:		(71) Applicant: <b>SONY CORP</b>
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**(54) METHOD AND DEVICE FOR CONTROL OF ROTOR**

(57) Abstract:

**PURPOSE:** To keep the fixed loop gain of a servo means by providing a means which delivers a signal of a prescribed frequency corresponding to a revolving speed of a rotor and a divider having its dividing ratio equal to the value equivalent to the square of the speed double as high as a reference speed and supplying the signals divided by the divider to a speed servo means.

**CONSTITUTION:** A magnetized plate 2 containing magnetic poles formed at the same angle intervals is attached to a capstan shaft 1. A magnetic sensor 3 is set close to the circumferential surface of the plate 2. The signals are supplied to a  $1/n$  dividing circuit 4 from the sensor 3 and at the same time the signal corresponding to the speed double as high as the revolving speed of a rotor is supplied to the divider 4 from a terminal 5. Then the dividing ratio of the circuit 4 is defined as  $n=1$  with a reference speed,  $n=4$  with a double

